

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P414109

Luminaire Tested: **LXF.LXT-PA1-20-722-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-722-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1921 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

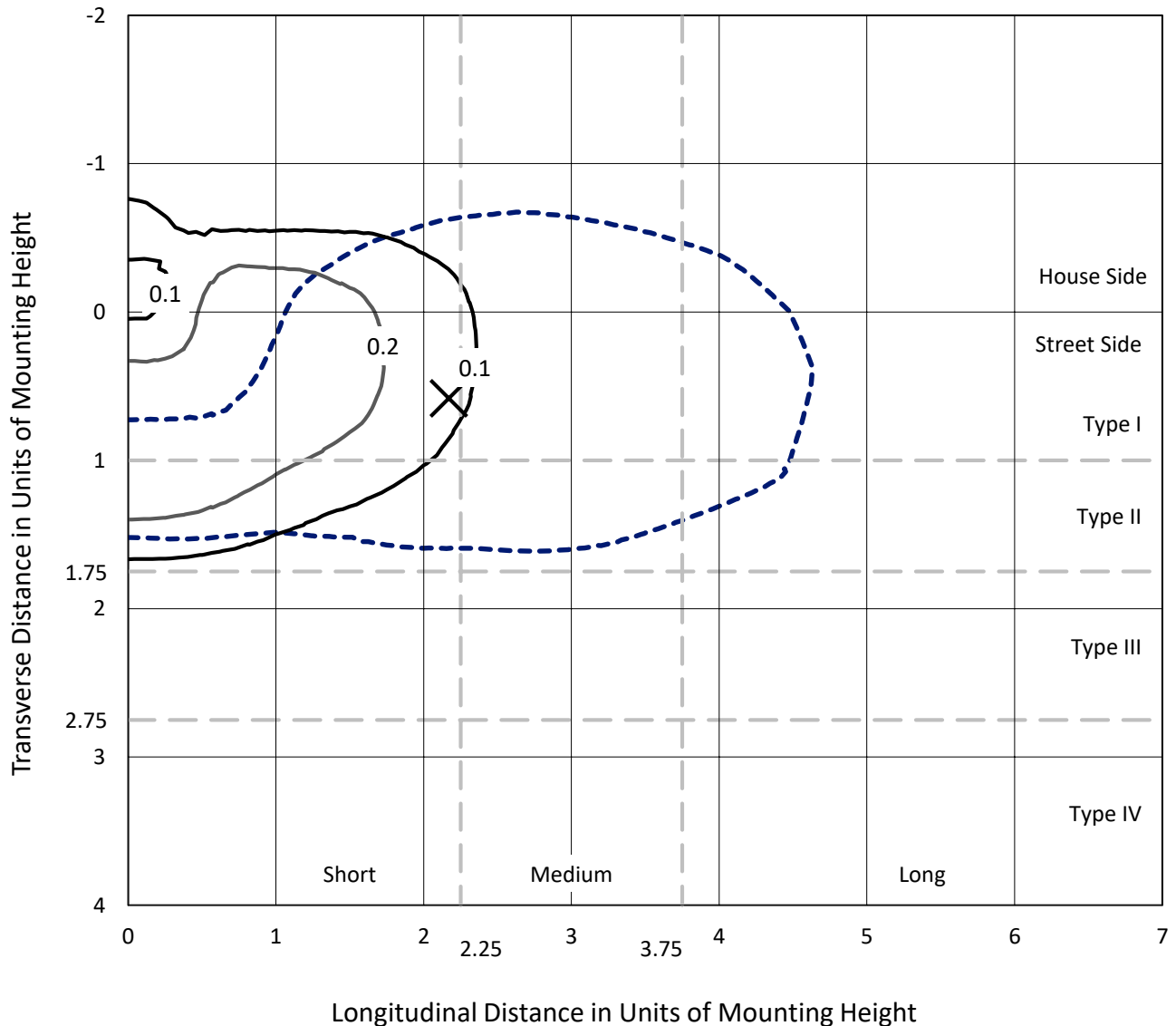
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414109
 CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

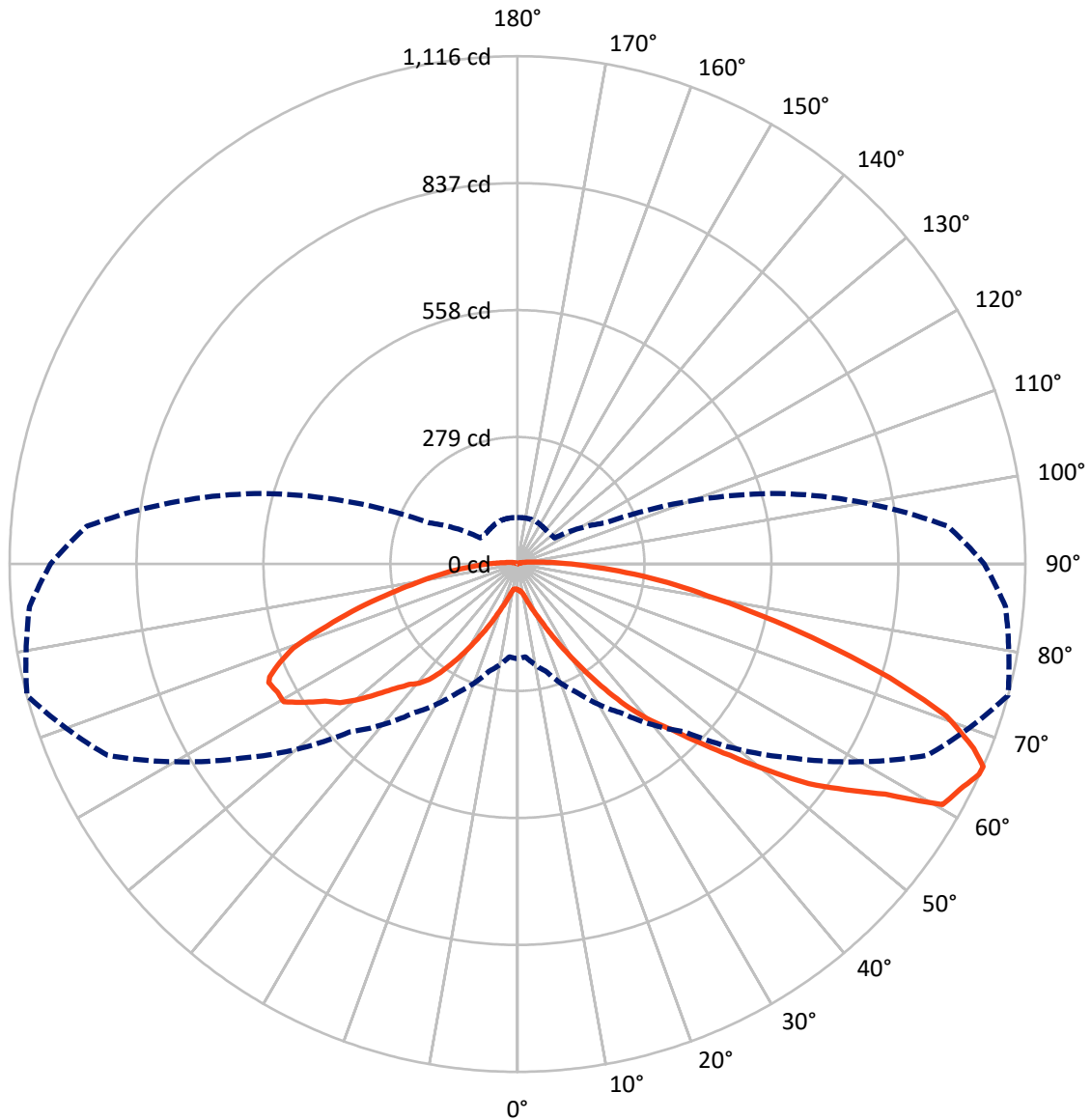
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P414109
CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P414109

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2U-A

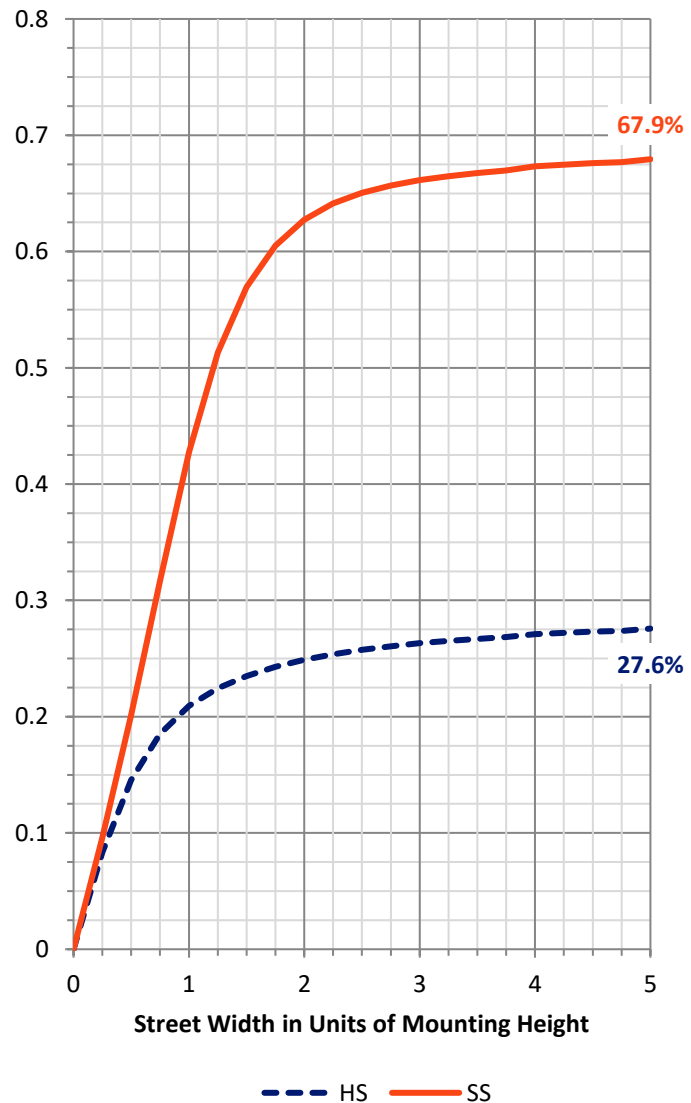
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	545.6	26.6	572.2
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	1322.4	26.3	1348.8
	% Fixture	68.8	1.4	70.2
Total	Lumens	1868.0	53.0	1921.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.3
10°-20°	24.1	1.3
20°-30°	73.2	3.8
30°-40°	181.1	9.4
40°-50°	327.0	17.0
50°-60°	441.9	23.0
60°-70°	443.5	23.1
70°-80°	267.9	13.9
80°-90°	103.6	5.4
90°-100°	30.8	1.6
100°-110°	11.1	0.6
110°-120°	5.4	0.3
120°-130°	3.2	0.2
130°-140°	1.9	0.1
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1868.0	97.2
0°-180°	1921.0	100.0



REPORT NUMBER: P414109

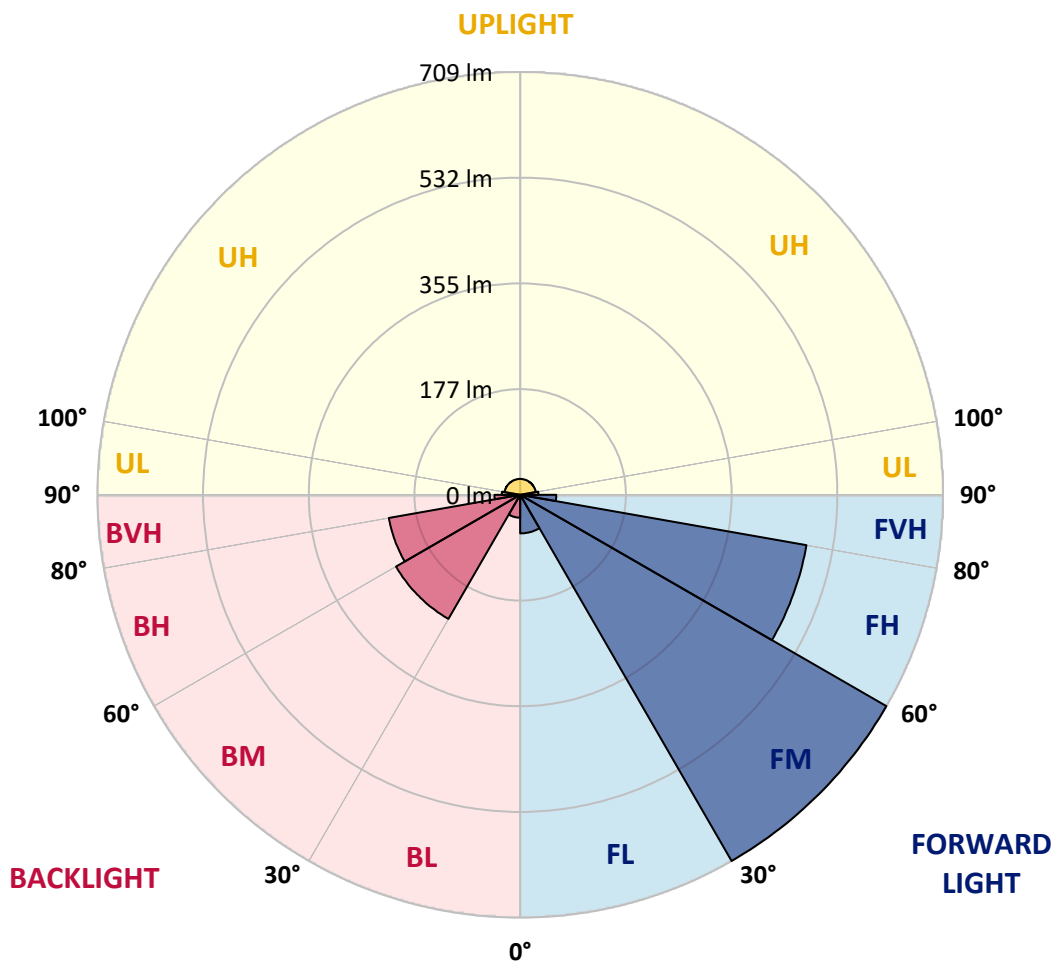
CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.7	3.4			
FM (30°-60°)	709.5	36.9			
FH (60°-80°)	487.8	25.4			G0/660
FVH (80°-90°)	60.5	3.1			G1/100
BL (0°-30°)	38.4	2.0	B0/110		
BM (30°-60°)	240.5	12.5	B1/1000		
BH (60°-80°)	223.7	11.6	B1/500		G1/500
BVH (80°-90°)	43.1	2.2			G1/100
UL (90°-100°)	30.8	1.6		U2/50	
UH (100°-180°)	26.6	1.4		U2/50	

BUG Rating: B1-U2-G1

Type II Short





REPORT NUMBER: P414109

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2.5°	62.5	62.0	61.6	61.1	60.7	60.3	59.4	58.3	57.4	57.4	56.5
5°	68.2	67.8	67.1	66.2	65.4	64.5	62.7	60.9	59.1	59.1	57.6
7.5°	75.3	75.1	74.2	73.1	71.1	69.1	66.9	64.2	61.8	61.6	59.6
10°	84.4	84.0	82.6	81.1	78.9	76.2	73.1	69.8	66.2	66.0	63.6
12.5°	97.0	96.1	93.9	91.5	87.3	84.6	81.1	78.0	75.3	74.7	71.3
15°	113.4	112.3	109.9	105.7	100.1	95.3	93.3	89.9	87.1	86.2	83.1
17.5°	134.5	133.4	129.2	122.5	116.7	111.9	107.4	104.1	101.7	101.5	97.0
20°	163.3	160.6	153.7	144.4	136.9	130.9	124.7	121.0	118.5	117.6	115.0
22.5°	198.7	198.1	188.3	176.1	163.7	152.9	146.0	141.8	140.0	140.2	138.7
25°	243.9	241.9	232.6	214.9	196.3	182.5	173.0	170.4	170.1	168.6	167.9
27.5°	292.2	289.5	277.4	260.3	235.7	217.1	206.5	203.6	204.3	202.5	203.8
30°	351.4	350.0	332.3	307.5	280.9	256.5	245.5	243.0	244.6	246.8	245.5
32.5°	424.5	426.5	402.3	368.9	331.6	303.5	291.3	290.4	292.6	292.2	291.5
35°	513.5	517.1	483.6	443.1	391.9	358.4	343.2	342.0	346.5	346.0	346.5
37.5°	608.8	610.3	583.1	518.8	459.2	412.9	400.3	399.0	403.2	400.8	398.3
40°	683.9	691.2	659.3	604.1	526.4	479.2	463.9	456.6	452.8	450.2	432.4
42.5°	755.0	750.6	728.0	666.6	595.3	543.9	523.5	509.7	497.6	495.8	476.3
45°	801.5	796.0	774.5	717.8	650.9	608.3	589.5	572.9	559.2	552.9	529.5
47.5°	804.2	801.5	796.4	753.9	695.4	658.4	652.2	643.3	628.3	628.5	598.4
50°	763.6	759.4	774.3	758.1	717.5	698.1	721.5	731.3	712.0	710.0	678.8
52.5°	691.8	689.6	716.7	732.6	718.2	725.7	781.6	817.0	802.0	794.0	753.7
55°	619.2	621.8	645.3	671.0	694.7	733.7	834.7	905.4	875.7	870.4	820.1
57.5°	520.2	529.0	564.0	604.3	641.6	722.6	862.7	961.5	953.9	951.9	909.0
60°	411.6	410.7	462.6	521.3	582.4	686.1	864.2	1031.9	1073.8	1064.2	1003.5
62.5°	319.7	321.9	359.1	432.7	514.6	630.5	842.9	1063.4	1091.3	1080.4	1027.5
65°	231.5	235.0	280.5	339.8	432.4	555.4	782.5	1020.6	1115.0	1108.3	1078.4
66°	208.0	204.9	244.8	312.1	400.1	522.2	744.4	994.7	1116.3	1112.5	1076.9
67.5°	167.3	171.2	202.0	260.7	348.0	469.2	675.5	953.3	1081.7	1076.7	1052.7
70°	123.8	127.6	148.6	195.6	264.1	374.2	558.5	823.4	1000.2	1004.0	1001.3
72.5°	91.7	95.7	110.1	144.0	195.4	278.2	442.6	694.1	855.3	864.2	858.0
75°	71.3	72.9	84.8	108.6	142.9	196.1	327.4	537.9	696.3	712.7	718.4
77.5°	57.4	58.7	68.5	83.7	107.0	143.1	229.5	401.0	551.2	562.7	573.6
80°	46.3	47.2	55.2	67.3	82.0	102.3	154.9	291.3	422.9	429.6	445.5
82.5°	37.2	37.9	43.6	54.1	65.6	77.8	110.1	203.4	332.1	338.3	358.4
85°	29.2	29.7	34.8	43.0	52.7	61.6	79.5	143.8	239.3	245.0	269.4
87.5°	23.0	23.5	27.5	33.5	42.5	48.7	58.7	96.8	161.5	169.7	197.4
90°	18.2	18.4	21.3	25.9	33.0	39.7	46.1	67.6	107.7	112.3	127.8
92.5°	13.7	14.0	16.2	19.7	25.7	31.5	35.2	46.7	68.9	70.9	82.0
95°	10.2	10.4	12.2	14.4	19.3	24.6	27.2	32.8	43.4	46.1	49.0
97.5°	8.0	8.2	9.3	10.6	14.2	19.3	21.7	24.1	29.7	30.6	32.8
100°	6.9	6.9	7.5	8.4	10.6	15.1	17.1	19.1	22.4	22.4	23.7
102.5°	5.8	5.8	6.2	6.6	8.6	12.0	13.7	15.1	16.8	17.1	18.2
105°	5.1	5.1	5.3	5.8	7.3	9.7	11.3	12.0	13.1	13.1	13.5
107.5°	4.4	4.4	4.7	4.9	6.4	8.2	9.1	9.3	9.7	9.7	10.4



REPORT NUMBER: P414109

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	4.2	4.2	4.2	4.4	5.5	7.1	7.5	7.3	7.5	7.5	8.2
112.5°	4.0	3.8	3.8	4.0	5.1	6.2	6.2	6.0	6.0	6.0	6.6
115°	3.8	3.8	3.5	3.8	4.7	5.3	5.3	4.9	4.9	4.9	5.5
117.5°	3.8	3.8	3.5	3.5	4.2	4.9	4.7	4.2	4.0	4.2	4.9
120°	3.8	3.8	3.3	3.3	4.0	4.2	4.2	3.5	3.5	3.5	4.2
122.5°	3.8	3.8	3.3	3.3	3.8	4.0	3.8	3.1	3.1	3.1	3.8
125°	4.0	3.8	3.3	3.3	3.5	3.5	3.3	2.9	2.7	2.7	3.3
127.5°	4.0	4.0	3.5	3.3	3.3	3.3	3.1	2.7	2.4	2.4	3.1
130°	4.4	4.2	3.8	3.3	3.1	2.9	2.7	2.4	2.4	2.4	2.9
132.5°	4.4	4.4	3.8	3.1	2.9	2.7	2.4	2.0	2.2	2.2	2.7
135°	4.2	4.0	3.3	2.9	2.7	2.2	2.0	1.8	2.0	2.0	2.4
137.5°	3.8	3.5	3.1	2.4	2.2	1.8	1.6	1.3	1.6	1.6	2.0
140°	3.1	3.1	2.4	2.0	1.8	1.6	1.3	0.9	1.1	1.3	1.6
142.5°	2.7	2.4	2.0	1.6	1.3	1.1	0.9	0.7	0.9	0.9	1.1
145°	2.2	2.0	1.6	1.1	0.9	0.7	0.4	0.4	0.4	0.4	0.7
147.5°	1.8	1.6	1.1	0.7	0.4	0.4	0.2	0.2	0.4	0.4	0.4
150°	1.3	1.3	0.9	0.4	0.2	0.2	0.0	0.2	0.2	0.2	0.2
152.5°	1.1	1.1	0.7	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2
155°	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P414109

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2.5°	56.3	55.8	55.4	54.9	54.5	54.3	53.6	53.2	53.2	53.2	52.9
5°	56.9	56.0	54.9	54.1	52.9	52.1	51.4	50.7	50.3	50.3	50.3
7.5°	58.5	57.6	55.6	53.8	52.3	51.0	50.1	49.4	49.2	49.0	49.0
10°	62.0	60.5	57.8	55.2	52.9	51.2	50.3	49.8	49.6	49.6	49.6
12.5°	70.0	67.8	63.8	59.4	55.6	52.9	52.1	52.1	53.4	54.1	54.1
15°	80.6	78.6	74.0	67.8	61.8	57.4	56.7	58.3	60.0	60.9	60.7
17.5°	95.3	92.6	86.4	78.2	70.2	65.8	63.8	65.4	67.6	68.7	68.7
20°	112.5	109.9	101.5	90.4	80.6	75.8	72.7	72.7	75.5	76.4	76.9
22.5°	136.2	132.3	120.3	105.0	92.4	84.8	81.1	80.4	83.7	85.3	84.8
25°	162.8	159.7	145.8	123.0	106.6	94.4	89.3	89.3	93.5	97.0	97.3
27.5°	200.0	192.3	172.8	144.9	120.3	103.2	97.7	98.8	103.2	106.8	106.8
30°	239.0	233.5	204.9	168.1	133.6	111.4	103.5	105.2	109.2	113.2	113.2
32.5°	286.2	276.9	241.7	191.2	145.8	116.7	106.6	109.0	113.6	117.6	117.6
35°	332.3	324.8	278.7	215.3	156.4	119.0	107.9	110.8	116.1	121.0	121.4
37.5°	385.9	369.5	314.8	237.0	164.2	119.4	107.4	112.5	119.6	125.2	125.4
40°	418.0	398.3	339.2	253.2	167.7	117.9	107.4	113.9	119.8	121.8	121.6
42.5°	456.1	431.3	356.2	255.2	163.3	114.8	107.2	112.3	115.0	115.0	114.8
45°	507.3	479.4	383.3	256.3	154.2	111.0	105.5	108.8	108.1	106.1	105.5
47.5°	570.0	536.1	417.6	260.3	145.3	107.2	103.5	104.3	101.2	96.8	96.6
50°	644.9	605.0	457.9	264.5	137.6	104.1	101.7	100.8	97.7	93.9	93.5
52.5°	715.1	667.0	494.5	267.4	131.1	102.1	100.4	100.1	97.0	92.2	91.7
55°	778.7	721.1	519.1	261.9	125.4	101.2	100.4	100.6	96.6	91.7	91.1
57.5°	870.6	807.5	558.0	253.7	118.5	101.0	101.0	101.2	96.4	91.7	91.1
60°	950.6	880.4	596.4	253.0	111.9	100.8	101.2	101.0	97.5	94.6	93.9
62.5°	978.1	911.2	598.1	237.0	107.7	99.7	100.4	101.5	100.8	99.5	98.8
65°	1029.9	956.8	605.7	219.1	101.7	97.7	99.2	102.1	102.6	101.7	101.0
66°	1026.1	950.4	598.4	213.6	99.7	96.6	98.6	101.7	102.6	102.3	101.9
67.5°	1007.5	933.8	574.2	197.8	96.8	94.6	97.5	100.6	102.6	103.2	102.8
70°	957.2	883.7	526.1	174.1	91.3	89.9	93.9	97.9	101.2	102.3	102.1
72.5°	815.7	745.7	440.2	148.6	83.5	83.3	87.9	92.8	96.8	97.9	97.5
75°	684.8	615.9	361.5	122.5	75.5	75.8	80.2	84.8	87.9	87.9	88.2
77.5°	549.0	490.7	286.4	101.7	67.3	67.3	70.4	74.2	76.2	75.3	74.0
80°	422.2	383.7	223.7	85.1	59.1	58.7	60.3	63.1	64.7	62.7	61.1
82.5°	340.9	307.7	177.0	70.9	51.2	50.7	51.4	53.4	54.3	52.1	51.4
85°	258.8	228.8	133.1	58.3	44.3	43.2	44.3	44.7	45.9	43.9	42.5
87.5°	183.0	162.2	96.6	48.5	37.9	37.2	37.0	37.4	38.1	36.8	36.1
90°	123.0	107.9	69.8	40.5	32.3	31.2	30.8	30.8	31.2	29.0	28.4
92.5°	78.9	69.8	48.5	32.3	27.0	25.7	24.8	25.0	24.8	22.6	22.2
95°	49.2	44.5	35.0	25.5	21.7	20.6	19.7	19.5	19.3	17.7	17.3
97.5°	32.1	30.6	26.1	20.2	17.3	16.4	16.0	15.7	15.7	14.6	14.0
100°	23.9	23.3	20.6	16.8	14.2	13.5	13.1	13.1	13.5	12.6	12.2
102.5°	18.6	18.8	16.8	14.2	12.0	11.5	11.1	11.1	11.5	11.1	10.9
105°	14.2	14.2	13.7	11.7	10.2	10.0	9.5	9.5	10.0	10.0	10.0
107.5°	11.1	11.5	11.1	9.7	8.9	8.6	8.2	8.2	8.6	8.9	9.1



REPORT NUMBER: P414109

CATALOG NUMBER: LXF.LXT-PA1-20-722-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.9	9.3	9.1	8.4	7.8	7.5	7.1	6.9	7.3	8.0	8.0
112.5°	7.1	7.5	7.5	7.1	6.6	6.6	6.2	6.0	6.4	7.1	7.1
115°	6.0	6.4	6.4	6.2	6.0	5.8	5.3	5.1	5.5	6.2	6.4
117.5°	5.1	5.5	5.5	5.5	5.3	5.1	4.7	4.4	4.7	5.3	5.5
120°	4.7	4.9	4.9	4.9	4.7	4.7	4.2	4.0	4.2	4.9	4.9
122.5°	4.0	4.2	4.4	4.4	4.2	4.2	3.8	3.3	3.5	4.2	4.4
125°	3.5	3.8	4.0	4.0	3.8	3.8	3.3	3.1	3.3	3.8	4.0
127.5°	3.3	3.5	3.5	3.5	3.5	3.3	2.9	2.7	2.9	3.5	3.5
130°	3.1	3.3	3.3	3.3	3.1	2.9	2.7	2.4	2.7	3.3	3.3
132.5°	2.9	3.1	3.1	2.9	2.9	2.7	2.2	2.0	2.4	2.9	2.9
135°	2.4	2.7	2.7	2.7	2.4	2.2	2.0	1.8	2.2	2.4	2.4
137.5°	2.0	2.2	2.2	2.2	2.0	1.8	1.6	1.6	1.8	2.2	2.2
140°	1.6	1.8	1.8	1.8	1.6	1.6	1.3	1.1	1.6	1.8	1.8
142.5°	1.1	1.3	1.3	1.3	1.1	1.1	0.9	0.9	1.3	1.6	1.6
145°	0.7	0.9	0.9	0.9	0.9	0.7	0.7	0.7	0.9	1.1	1.1
147.5°	0.4	0.7	0.7	0.7	0.7	0.4	0.2	0.4	0.7	0.9	0.9
150°	0.2	0.4	0.4	0.4	0.4	0.2	0.0	0.2	0.4	0.7	0.7
152.5°	0.2	0.2	0.4	0.4	0.2	0.2	0.0	0.0	0.2	0.2	0.2
155°	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.0
157.5°	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)